



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor  
Toni Hardesty, Director

April 14, 2005

**Certified Mail No. 7000 1670 0016 8128 9113**

Marc Brinkmeyer, President  
Riley Creek Lumber Co.  
PO Box 220  
30 Riley Creek Park Drive  
Laclede, ID 83841-0220

RE: Facility ID No. 021-00002, Kootenai River Lumber Co., LLC, dba Riley Creek Lumber Co.  
Tier I Operating Permit No. T1-050100 Administrative Amendment

Dear Mr. Brinkmeyer:

The Department of Environmental Quality (DEQ) is issuing amended Tier I Operating Permit No. T1-050100 to the Kootenai River Lumber Co., LLC, in accordance with IDAPA 58.01.01.381, *Rules for the Control of Air Pollution in Idaho*. This permit is effective immediately.

Please be aware that this permit replaces Tier I Operating Permit No. 021-00002, dated November 27, 2002, the terms and conditions of which shall no longer apply.

If you have questions regarding the amendment procedure or this notification, please contact Bill Rogers at (208) 373-0502 or [wrogers@deq.idaho.gov](mailto:wrogers@deq.idaho.gov).

Sincerely,

Martin Bauer, Administrator  
Air Quality Division

MB/BR/CM/sd

Permit No. T1-050100

Enclosure

bc: Tom Harman, Coeur D'Alene Regional Office  
Charlie Mazzone, Permit Writer  
Bill Rogers, Permit Coordinator  
Source File  
Reading File (Ltr Only)



**Air Quality  
TIER I OPERATING PERMIT**

**State of Idaho  
Department of Environmental Quality**

**PERMIT No.:** T1-050100

**FACILITY ID NO.:** 021-00002

**AQCR:** 063

**CLASS:** A

**SIC:** 2421

**ZONE:** 11

**UTM COORDINATE (km):** 549.8, 5393.6

**1. PERMITTEE**

Kootenai River Lumber Co., LLC, dba Riley Creek Lumber Co.

**2. PROJECT**

Tier I Operating Permit Administrative Amendment – Change in Ownership

**3. MAILING ADDRESS**

P.O. Box 220

**CITY**

Laclede

**STATE**

ID

**ZIP**

83841-0220

**4. FACILITY CONTACT**

Glenda Empsall

**TITLE**

Environmental Manager

**TELEPHONE**

(208) 772-0505 ext. 438

**5. RESPONSIBLE OFFICIAL**

Marc Brinkmeyer

**TITLE**

President, Riley Creek Lumber Co.

**TELEPHONE**

(208) 263-7574

**6. EXACT PLANT LOCATION**

6726 Riverside, Bonners Ferry, Idaho

**COUNTY**

Boundary

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Dimensional lumber

**8. PERMIT AUTHORITY**

This Tier I operating permit is issued pursuant to Idaho Code §39-115 and the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.300-386. The permittee shall comply with the terms and conditions of this permit.

This permit incorporates all applicable terms and conditions of prior air quality permits issued by the Idaho Department of Environmental Quality (DEQ) for the permitted source, unless the permittee emits toxic pollutants subject to state-only requirements pursuant to IDAPA 58.01.01.210, and the permittee elects not to incorporate those terms and conditions into this operating permit.

The effective date of this permit is the date of signature by the DEQ on the cover page. This Tier I operating permit replaces Tier I operating permit No. 021-00002, issued November 27, 2002, the terms and conditions of which shall no longer apply.

**TONI HARDESTY, DIRECTOR  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**DATE ISSUED:** April 14, 2005

**DATE EXPIRES:** August 30, 2006

## **Table of Contents**

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE.....	3
1. FACILITY-WIDE CONDITIONS.....	4
2. EMISSIONS UNIT GROUP 1 – NATURAL GAS-FIRED BOILERS.....	10
3. EMISSIONS UNIT GROUP 2 – LUMBER-DRYING KILNS.....	12
4. EMISSIONS UNIT GROUP 3 – CYCLONES AND BAGHOUSE .....	14
5. EMISSIONS UNIT GROUP 4 – WOOD BYPRODUCT STORAGE AND HANDLING .....	17
6. EMISSIONS UNIT GROUP 5 – DEBARKING AND BARK HOG.....	19
7. EMISSIONS UNIT GROUP 6 - INSIGNIFICANT ACTIVITIES.....	21
8. TIER I OPERATING PERMIT GENERAL PROVISIONS.....	22

## Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AQCR	Air Quality Control Region
Btu	British thermal unit
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gpm	gallons per minute
gr	grain (1 lb = 7,000 grains)
gr/dscf	grains per dry standard cubic foot
HAPs	hazardous air pollutants
IDAPA	A numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
lb/Mbf	pound per thousand board-feet
MMbf	million board feet
MMcf	million cubic feet
MMcf/yr	million cubic feet per year
mmHg	millimeters of Mercury
MMBtu	million British thermal units
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standards
O <sub>2</sub>	oxygen
O&M	Operations and Maintenance
PM	particulate matter
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PTC	permit to construct
scf	standard cubic feet
SIC	Standard Industrial Classification
SO <sub>2</sub>	sulfur dioxide
T/yr	tons per year
U.S.C.	United States Code
UTM	Universal Transverse Mercator
VOC	volatile organic compound

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**1. FACILITY-WIDE CONDITIONS**

The following table contains a summary of requirements that apply generally to emissions units at the facility:

**Table 1.1 FACILITY-WIDE APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
1.1	Fugitive emissions	Reasonable control	IDAPA 58.01.01.651	1.2, 1.3, 1.4, General Provision 30
1.5	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	1.6, General Provision 30
1.7	Excess emissions	Compliance with IDAPA 58.01.01.130-136	IDAPA 58.01.01.130-136	1.7, General Provision 30
1.9	Air quality standards	Test Methods	IDAPA 58.01.01.157	1.10, General Provision 30
1.10	Criteria air pollutants, opacity	Compliance testing	IDAPA 58.01.01.157	1.9, General Provision 30
1.11	PM	Fuel-burning equipment standard	IDAPA 58.01.01.676-677	General Provision 30

**Fugitive Emissions**

- 1.1 All reasonable precautions shall be taken to prevent particulate matter from becoming airborne in accordance with IDAPA 58.01.01.650-651 (*Rules for the Control of Air Pollution in Idaho*). Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period.  
[IDAPA 58.01.01.322.01, 5/1/94]
- 1.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions.  
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 1.3 The permittee shall maintain records of all fugitive emissions complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.  
[IDAPA 58.01.01.322.06, 07, 5/1/94]
- 1.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions, to ensure that the methods used to reasonably control fugitive emissions are effective. The inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any fugitive emissions are present, the permittee shall perform a Method 22 visible emissions test at the property boundary, as described in 40 CFR 60, Appendix A. If visible emissions are observed leaving the property boundary for a period or

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance to DEQ in writing within 72 hours. The permittee shall maintain records of the results of each fugitive emission inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00]

**Visible Emissions**

- 1.5 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides and/or chlorine gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.

[IDAPA 58.01.01.625, 4/5/00]

- 1.6 The permittee shall conduct a monthly facility-wide inspection of potential sources of visible emissions during daylight hours and under normal operating conditions. The length of observation shall be no less than 10 minutes. In the event any level of visible emissions are present in excess of 10%, the permittee shall perform a visible emissions reading by a certified visible emissions reader in accordance with the procedures contained in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in the annual compliance certification and in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each visible emission inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00]

**Excess Emissions**

- 1.7 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions. The provisions of IDAPA 58.01.01.130-136 shall govern in the event of conflicts between Permit Condition 1.7 and the regulations of IDAPA 58.01.01.130-136.

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonniers Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- 1.7.1 The person responsible for or in charge of a facility during an excess emissions event shall, with all practicable speed, initiate and complete appropriate and reasonable action to correct the conditions causing such excess emissions event, to reduce the frequency of occurrence of such events, to minimize the amount by which the emission standard is exceeded, and shall, as provided below or upon request of DEQ, submit a full report of such occurrence including a statement of all known causes and of the scheduling and nature of the actions to be taken.

[IDAPA 58.01.01.132, 4/5/00]

- 1.7.2 In all cases where startup, shutdown, or scheduled maintenance of any equipment or emissions unit is expected to result or results in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.133(a) through (d), including, but not limited to, the following:

[IDAPA 58.01.01.133, 4/5/00]

- A prohibition of any scheduled startup, shutdown, or maintenance resulting in excess emissions shall occur during any period in which an Atmospheric Stagnation Advisory and/or a Wood Stove Curtailment Advisory has been declared by DEQ.

[IDAPA 58.01.01.133.01.a, 3/20/97]

- Notifying DEQ of the excess emissions event as soon as reasonably possible, but no later than two hours prior to the start of the excess emissions event unless the owner or operator demonstrates to DEQ's satisfaction that a shorter advanced notice was necessary.

[IDAPA 58.01.01.133.01.b, 4/5/00]

- The owner or operator of a source of excess emissions shall report and record the information required pursuant to Permit Conditions 1.7.4 and 1.7.5 and IDAPA 58.01.01.135 and 136 for each excess emissions event due to startup, shutdown, or scheduled maintenance.

[IDAPA 58.01.01.133.01.c, 3/20/97]

- 1.7.3 In all cases where upset or breakdown of equipment or an emissions unit, or the initiation of safety measures, results or may result in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.134.01(a) and (b) and the following:

[IDAPA 58.01.01.134, 4/5/00]

- 1.7.3.1 For all equipment or emissions units from which excess emissions result during upset or breakdown conditions, or for other situations that may necessitate the implementation of safety measures which cause excess emissions, the facility owner or operator shall comply with the following:

[IDAPA 58.01.01.134.02, 4/5/00]

- The owner or operator shall immediately undertake all appropriate measures to reduce and, to the extent possible, eliminate excess emissions resulting from the event and to minimize the impact of such excess emissions on the ambient air quality and public health.

[IDAPA 58.01.01.134.02.a, 4/5/00]



**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnets Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- The owner or operator shall notify DEQ of any upset, breakdown, or safety event that results in excess emissions. Such notification shall identify the time, specific location, equipment or emissions unit involved, and (to the extent known) the cause(s) of the occurrence. The notification shall be given as soon as reasonably possible, but no later than 24 hours after the event, unless the owner or operator demonstrates to DEQ's satisfaction that the longer reporting period was necessary.

[IDAPA 58.01.01.134.02.b, 4/5/00]

- The owner or operator shall report and record the information required pursuant to Permit Conditions 1.7.4 and 1.7.5 and IDAPA 58.01.01.135 and 136 for each excess emissions event caused by an upset, breakdown, or safety measure.

[IDAPA 58.01.01.134.02.c, 3/20/97]

- 1.7.3.2 During any period of excess emissions caused by upset, breakdown, or operation under facility safety measures, DEQ may require the owner or operator to immediately reduce or cease operation of the equipment or emissions unit causing the excess emissions until such time as the condition causing the excess emissions has been corrected or brought under control. Such action by DEQ shall be taken upon consideration of the factors listed in IDAPA 58.01.01.134.03 and after consultation with the facility owner or operator.

[IDAPA 58.01.01.134.03 4/5/00]

- 1.7.4 A written report for each excess emissions event shall be submitted to DEQ by the owner or operator no later than 15 days after the beginning of such an event. Each report shall contain the information specified in IDAPA 58.01.01.135 .02.

[IDAPA 58.01.01.135.01, 3/20/97; IDAPA 58.01.01.135.02, 4/5/00]

- 1.7.5 The owner or operator shall maintain excess emissions records at the facility for the most recent five-calendar-year period. The excess emissions records shall be made available to DEQ upon request. The excess emissions records shall include the information requested by IDAPA 58.01.01.136.03(a) and (b) as summarized in the following:

[IDAPA 58.01.01.136.01, 02, 3/20/97; IDAPA 58.01.01.136.03, 4/5/00]

- An excess emissions record book for each emissions unit or piece of equipment containing copies of all reports that have been submitted to DEQ pursuant to IDAPA 58.01.01.135 for the particular emissions unit or equipment.

[IDAPA 58.01.01.136.03.a, 4/5/00]

- Copies of all startup, shutdown, and scheduled maintenance procedures and upset, breakdown, or safety preventative maintenance plans which have been developed by the owner or operator in accordance with IDAPA 58.01.01.133 and 134, and facility records as necessary to demonstrate compliance with such procedures and plans.

[IDAPA 58.01.01.136.03.b, 3/20/97]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonniers Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**Reports and Certifications**

- 1.8 All periodic reports and certifications required by this permit shall be submitted to DEQ no later than the last day of February for annual reporting, and no later than the last day of February and the last day of August for semiannual reporting. Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130-136. Reports, certifications, and notifications shall be submitted to the following address:

Air Quality Permit Compliance  
Department of Environmental Quality  
Coeur d'Alene Regional Office  
2110 Ironwood Parkway  
Coeur d'Alene, ID 83814

The periodic compliance certification required by General Provision 21 shall also be submitted within 30 days of the end of the specified reporting period to the following address:

EPA Region 10  
Air Operating Permits, OAQ-107  
1200 Sixth Ave.  
Seattle, WA 98101

[IDAPA 58.01.01.322.08, 11, 5/1/94]

**Test Methods**

- 1.9 If performance or compliance testing is required, the permittee shall use the test methods listed in Table 1.2 to measure the pollutant emissions.

**Table 1.2 EPA REFERENCE TEST METHODS**

Pollutant	Test Method*	Special Conditions
PM <sub>10</sub>	EPA Method 201.a EPA Method 202	
PM	EPA Method 5	
NO <sub>x</sub>	EPA Method 7	
SO <sub>2</sub>	EPA Method 6	
CO	EPA Method 10	
VOC	EPA Method 25 or 25A	VOCs shall be expressed as carbon
Opacity	EPA Method 9	If an NSPS source, IDAPA 58.01.01.625 and Method 9; otherwise, IDAPA 58.01.01.625 only.

\* Or DEQ-approved alternative in accordance with IDAPA 58.01.01.157

AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100				
Permittee:	Kootenai River Lumber Co., LLC dba Riley Creek	Facility ID No.: 021-00002	Date Issued:	April 14, 2005
Location:	Bonniers Ferry, Idaho		Date Expires:	August 30, 2006

### **Compliance Testing**

- 1.10 Compliance testing of the site shall be conducted once during the life of the current permit, unless otherwise specified by DEQ. Verification of compliance with all hourly criteria emission limits for fuel burning equipment shall be required. Verification of PM/PM<sub>10</sub> hourly emission limits shall be required for the remaining emission units. Compliance with the annual emission limits shall be based on emission factors and annual facility throughputs.

The permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by DEQ approval. DEQ may, at its option, have an observer present at any emissions test(s) conducted on a source. DEQ requests such testing not be performed on weekends or state holidays. All testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, prior to conducting any compliance test, the permittee is encouraged to submit in writing to DEQ, at least 30 days in advance, the following for approval:

- The type of test method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

Within 45 days following the date in which a compliance test required by this permit is concluded, the permittee shall submit to DEQ a compliance test report for the respective test. The compliance test report shall include all process operating data collected during the test period as well as the test results, raw test data, and associated documentation, including any approved test protocol.

The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to the following address:

Air Quality Permit Compliance  
Department of Environmental Quality  
Coeur d'Alene Regional Office  
2110 Ironwood Parkway  
Coeur d'Alene, Idaho 83814  
(208) 769-1422 Fax: (208) 769-1404

[IDAPA 58.01.01.157, 4/5/00; IDAPA 58.01.01.322.06, 08.a, 09, 5/1/94]

### **Fuel-burning Equipment**

- 1.11 The permittee shall not discharge to the atmosphere from any fuel-burning equipment in operation prior to October 1, 1979, or with a maximum rated input of less than 10 million Btu per hour, particulate matter in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas, 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid, 0.10 gr/dscf of effluent gas corrected to 8% oxygen by volume for coal, and 0.20 gr/dscf of effluent gas corrected to 8% oxygen by volume for burning wood products.

[IDAPA 58.01.01.676-677, 5/1/94]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnerr Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

## 2. EMISSIONS UNIT GROUP 1 – NATURAL GAS-FIRED BOILERS

Table 2.1 describes the control devices used in controlling emissions from this source.

**Table 2.1 MISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Unit(s)/Process(es)	Emission Control Device
Natural gas-fired boilers 1 and 2	None

Table 2.2 contains a summary of requirements that apply to the natural gas-fired boilers. Specific permit requirements are listed below Table 2.2.

**Table 2.2 NATURAL GAS-FIRED BOILERS APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
2.1	Particulate matter	0.015 gr/dscf at 3% O <sub>2</sub>	IDAPA 58.01.01.676	2.8, 2.9, 2.10
2.2	Criteria air pollutants	See Table 2.4	PTC No. 021-00002	2.5, 2.6, 2.7, 2.8, 2.9, 2.10
2.3	Visible emissions	20% opacity for no more than three minutes in any 60-minute period.	IDAPA 58.01.01.625	2.4, 2.10
2.5	Fuel throughput	569 MMcf/yr	PTC No. 021-00002	2.6, 2.7
2.6	Fuel type	Natural gas	PTC No. 021-00002	2.7

- 2.1 The permittee shall not discharge into the atmosphere from any fuel burning equipment with a maximum rated input of 10 MMBtu/hr or more, and commencing operation on or after October 1, 1979, particulate matter in excess of the concentrations shown in Table 2.3.

**Table 2.3 NATURAL GAS-FIRED BOILERS ALLOWABLE PARTICULATE MATTER EMISSIONS**

Fuel Type	Allowable Particulate (gr/dscf)	Percent O <sub>2</sub>
Gas	0.015	3%

The effluent gas shall be corrected to the oxygen concentration shown.

[IDAPA 58.01.01.676, 5/1/94]

- 2.2 Emissions from each boiler stack shall not exceed the following:

**Table 2.4 NATURAL GAS-FIRED BOILER ALLOWABLE CRITERIA AIR POLLUTANT EMISSIONS (EACH STACK)<sup>1</sup>**

PM		PM <sub>10</sub>		CO		NO <sub>x</sub>		VOC	
lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
0.91	3.98	0.91	3.98	4.87	21.35	4.87	21.35	0.38	1.65

<sup>1</sup>As determined by DEQ's emission estimation methods

[PTC No. 021-00002, 8/19/99; IDAPA 58.01.01.322.01, 3/19/99]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonniers Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- 2.3 The permittee shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by IDAPA 58.01.01.62.
- [IDAPA 58.01.01.625, 4/5/00]**
- 2.4 To demonstrate compliance with Permit Condition 2.3, the permittee shall conduct a monthly 1-minute observation of each affected emissions point, or source, using EPA Method 22 (in 40 CFR Part 60, Appendix A). If visible emissions are observed from any emissions point, or source, a 6-minute observation, using EPA Method 9, shall be conducted. The visible emissions evaluations shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be recorded and shall be maintained in accordance with General Provision 30.
- [IDAPA 58.01.01.322.06, 07, 5/1/94]**
- 2.5 The permittee shall burn a maximum of 569 million cubic feet (MMcf) of natural gas per any consecutive 12-month period.
- [PTC No. 021-00002, 8/19/99; IDAPA 58.01.01.322.01, 3/19/99]**
- 2.6 The boilers shall be fired by natural gas fuel only.
- [PTC No. 021-00002, 8/19/99; IDAPA 58.01.01.322.01, 3/19/99]**
- 2.7 The permittee shall monitor and record the amount of natural gas used in the boilers monthly and annually. The amount of natural gas used shall be recorded as million cubic feet per month (MMcf/mo), and million cubic feet per consecutive 12-month period (MMcf/yr). These records shall be kept onsite for the most recent five-year period, and shall be made available to DEQ representatives upon request.
- [PTC No. 021-00002, 8/19/99; IDAPA 58.01.01.322.01, 3/19/99]**
- 2.8 The permittee shall conduct a performance test in accordance with Permit Conditions 1.9 and 1.10 to demonstrate compliance with Permit Conditions 2.1 and 2.2. Visible emissions shall be observed during the performance test using the methods specified in IDAPA 58.01.01.625. The steam production (i.e., pounds of steam produced per hour) shall be measured and recorded during the performance test.
- [IDAPA 58.01.01.322.06, 07, 5/1/94]**
- 2.9 The permittee shall submit a protocol for the performance test required in Permit Condition 2.8 to DEQ for approval at least 30 days prior to the test date. The permittee shall submit a written report of the boiler performance test to DEQ within 45 days after performing the test. The information required to be recorded during the performance test shall also be submitted as part of the report.
- [IDAPA 58.01.01.322.06, 07, 5/1/94]**
- 2.10 The permittee shall at all times maintain in good working order and operate, as efficiently as practicable, the facility's natural gas-fired boilers. An O&M manual shall be developed within 60 days of issuance of this permit, shall be updated as necessary, and shall include, at a minimum, the most recent general description of the boilers; the normal operating conditions and procedures for the boilers; startup, shutdown, and maintenance procedures; upset conditions guidelines; and corrective action procedures.
- [IDAPA 58.01.01.322.01, 3/19/99]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnors Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

### 3. EMISSIONS UNIT GROUP 2 – LUMBER-DRYING KILNS

Emissions Unit Group 2 consists of multiple steam heated lumber-drying kilns.

Table 3.1 describes the control devices used in controlling emissions from the sources regulated in this permit.

**Table 3.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Unit(s)/Process(es)	Emission Control Device
Lumber-drying kilns	None

Table 3.2 contains a summary of requirements that apply generally to the facility. Specific permit requirements are listed below Table 3.2.

**Table 3.2 LUMBER-DRYING KILNS APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit/Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
3.1	Particulate matter	Process weight rate	IDAPA 58.01.01.701	3.3, 3.4, 3.6, 3.7
3.2	Particulate matter	Process weight rate	IDAPA 58.01.01.702	3.3, 3.4, 3.6, 3.7
3.3	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	3.4, 3.8
3.5	PM <sub>10</sub> , VOC	See Table 3.3	PTC No. 021-00002	3.6, 3.7, 3.8
3.6	Throughput	219 MMbf/yr	PTC No. 021-00002	3.7

- 3.1 The permittee shall not discharge into the atmosphere from any source operating on or after October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,  

$$E = 0.045(PW)^{0.6}$$
- b. If PW is equal to or greater than 9,250 lb/hr,  

$$E = 1.10(PW)^{0.25}$$

**[IDAPA 58.01.01.701, 4/5/00]**

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements for lumber throughput (Permit Conditions 3.6 and 3.7), and visible emissions (Permit Conditions 3.3 and 3.4) demonstrates compliance with the hourly process weight rate emissions limitations.

**[IDAPA 58.01.01.322.01, 3/19/99]**

- 3.2 The permittee shall not discharge into the atmosphere from any source operating prior to October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- a. If PW is less than 17,000 lb/hr,  

$$E = 0.045(PW)^{0.6}$$
- b. If PW is equal to or greater than 17,000 lb/hr,  

$$E = 1.12(PW)^{0.27}$$

[IDAPA 58.01.01.702, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements for lumber throughput (Permit Conditions 3.6 and 3.7), and visible emissions (Permit Conditions 3.3 and 3.4) demonstrates compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]

- 3.3 The permittee shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 3.4 To demonstrate compliance with Permit Condition 3.1, 3.2, and 3.3, the permittee shall conduct a weekly 1-minute observation of each affected emissions point, or source, using EPA Method 22 (in 40 CFR Part 60, Appendix A). If visible emissions are observed from any emissions point, or source, a 6-minute observation, using EPA Method 9, shall be conducted. The visible emissions evaluations shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be recorded and shall be maintained in accordance with General Provision 30.

[IDAPA 58.01.01.322.06(c), 5/1/94]

- 3.5 Emissions from the kiln stacks in aggregate shall not exceed the following:

**Table 3.3 LUMBER-DRYING KILNS ALLOWABLE PM AND VOC EMISSIONS**

<b>PM<sub>10</sub></b>		<b>VOC</b>
<b>lb/hr</b>	<b>T/yr</b>	<b>T/yr</b>
4.75	20.8	164

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

- 3.6 The maximum throughput of dimensional lumber to the lumber drying kilns shall not exceed two hundred nineteen million board feet per any consecutive 12-month period (219 MMbf/yr).

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

- 3.7 The permittee shall monitor and record the throughput to the lumber-drying kilns monthly and annually to demonstrate compliance with Permit Conditions 3.1, 3.2, 3.5, and 3.6. The throughput shall be recorded as board feet per month (bf/mo) and board feet per year (bf/yr). These records shall remain onsite for the most recent five-year period, and shall be made available to DEQ representatives upon request.

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**4. EMISSIONS UNIT GROUP 3 – CYCLONES AND BAGHOUSE**

Emissions Unit Group 3 consists of one cyclone and a baghouse.

Table 4.1 describes the control devices used in controlling emissions from the sources regulated in this permit.

**Table 4.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Unit(s)/Process(es)	Emission Control Device
Planer truck bin cyclone	Planer shavings bin baghouse

The following table contains a partial summary of requirements that apply generally to the cyclone and baghouse. Specific permit requirements are listed below Table 4.2.

**Table 4.2 CYCLONES AND BAGHOUSE APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
4.1	Particulate matter	Process weight rate	IDAPA 58.01.01.701	4.3, 4.4, 4.6, 4.7
4.2	Particulate matter	Process weight rate	IDAPA 58.01.01.702	4.3, 4.4, 4.6, 4.7
4.3	Visible emissions	20% opacity for no more than three minutes in any 60-minute period.	IDAPA 58.01.01.625	4.4
4.5	Planer shaving bin baghouse PM <sub>10</sub> emission rate limits	1.29 lb/hr, 5.63 T/yr	PTC No. 021-00002	4.6, 4.7, 4.8, 4.9, 4.10
4.6	Throughput	219 MMbf/yr	PTC No. 021-00002	4.7

- 4.1 The permittee shall not discharge into the atmosphere from any source operating on or after October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,  

$$E = 0.045(PW)^{0.6}$$
- b. If PW is equal to or greater than 9,250 lb/hr,  

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements contained in Permit Condition 4.7, and the visible emissions requirements contained in Permit Conditions 4.3 and 4.4 demonstrate compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]



**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonniers Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- 4.2 The permittee shall not discharge into the atmosphere from any source operating prior to October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 17,000 lb/hr,

$$E = 0.045(PW)^{0.6}$$

- b. If PW is equal to or greater than 17,000 lb/hr,

$$E = 1.12(PW)^{0.27}$$

[IDAPA 58.01.01.702, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements contained in Permit Condition 4.7, and the visible emissions requirements contained in Permit Conditions 4.3 and 4.4 demonstrate compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]

- 4.3 The permittee shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.625, 4/5/00]

- 4.4 To demonstrate compliance with Permit Conditions 4.1, 4.2, and 4.3, the permittee shall conduct a weekly 1-minute observation of each affected emission point, or source, using EPA Method 22 (in 40 CFR Part 60, Appendix A). If visible emissions are observed from any emission point, or source, a 6-minute observation, using EPA Method 9, shall be conducted. The visible emissions evaluation shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be recorded which shall be maintained in accordance with General Provision 30.

[IDAPA 58.01.01.322.06, 5/1/94]

- 4.5 The PM<sub>10</sub> emissions from the planer shavings bin baghouse shall not exceed 1.29 lb/hr or 5.63 T/yr.

[PTC No. 021-00002, 6/21/02; IDAPA 58.01.01.322.01, 3/19/99]

- 4.6 The throughput to the planers shall not exceed 219,000,000 board feet per any consecutive 12-month period (219 MMbf/yr).

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

- 4.7 The permittee shall monitor and record the throughput to the planers monthly and annually to demonstrate compliance with Permit Conditions 4.1, 4.2, 4.5, and 4.6. The throughput shall be recorded as board feet per month (bf/mo) and board feet per year (bf/yr). These records shall remain onsite for the most recent five-year period, and shall be made available to DEQ representatives upon request.

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- 4.8 The pressure drop across the planer shavings bin baghouse shall be maintained within the manufacturer's and O&M manual's specifications. Documentation of both the manufacturer's and O&M manual's operating pressure drop specifications shall remain onsite at all times, and shall be made available to DEQ representatives upon request.

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

- 4.9 The permittee shall monitor and record the pressure drop across the shavings bin baghouse once per week. These records shall remain onsite for the most recent five-year period, and shall be made available to DEQ representatives upon request.

[PTC No. 021-00002, 10/26/99; IDAPA 58.01.01.322.01, 3/19/99]

- 4.10 The permittee shall at all times maintain in good working order and operate, as efficiently as practicable, the facility's cyclones and baghouse.

[IDAPA 58.01.01.322.01, 3/19/99]

AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100				
Permittee:	Kootenai River Lumber Co., LLC dba Riley Creek	Facility ID No.: 021-00002	Date Issued:	April 14, 2005
Location:	Bonniers Ferry, Idaho		Date Expires:	August 30, 2006

## 5. EMISSIONS UNIT GROUP 4 – WOOD BYPRODUCT STORAGE AND HANDLING

The sources in Emissions Unit Group 4 can contribute to particulate emissions from the handling and storage of wood and wood byproducts or through general plant activities. These emission units do not vent through stacks or have any pollution control equipment attached.

**Table 5.1 EMISSIONS UNITS AND EMISSION CONTROL DEVICES**

Emissions Unit(s)/Process(es)	Emission Control Device
Sawmill chips surge bin	None
Hogged bark conveying and loadout	None
Sawdust conveying and loadout	None
Sawmill chips conveying and loadout	None

The following table contains a partial summary of requirements that apply generally to bins. Specific permit requirements are listed below Table 5.2.

**Table 5.2 WOOD BYPRODUCTS STORAGE AND HANDLING APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
5.1	Particulate matter	Process weight rate	IDAPA 58.01.01.701	5.3, 5.4
5.2	Particulate matter	Process weight rate	IDAPA 58.01.01.702	5.3, 5.4
5.3	Fugitive emissions	Reasonable control	IDAPA 58.01.01.651	5.4

- 5.1 The permittee shall not discharge into the atmosphere from any source operating on or after October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,  

$$E = 0.045(PW)^{0.6}$$
- b. If PW is equal to or greater than 9,250 lb/hr,  

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements for fugitive emissions contained in Permit Conditions 5.3 and 5.4 demonstrate compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- 5.2 The permittee shall not discharge into the atmosphere from any source operating prior to October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 17,000 lb/hr,  
$$E = 0.045(PW)^{0.6}$$
- b. If PW is equal to or greater than 17,000 lb/hr,  
$$E = 1.12(PW)^{0.27}$$

[IDAPA 58.01.01.702, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements for fugitive emissions contained in Permit Conditions 5.3 and 5.4 demonstrate compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]

- 5.3 To demonstrate compliance with Permit Conditions 5.1 and 5.2, the permittee shall conduct a weekly 1-minute observation of each affected emission point, or source, using EPA Method 22 (in 40 CFR Part 60, Appendix A). If visible emissions are observed from any emission point, or source, a 6-minute observation, using EPA Method 9, shall be conducted. The visible emissions evaluation shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be recorded which shall be maintained in accordance with General Provision 30.

[IDAPA 58.01.01.322.06, 5/1/94]

- 5.4 The permittee shall conduct a monthly inspection of fugitive emissions sources, during daylight hours, during truck bin loadouts, and under normal operating conditions to ensure the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each fugitive emission inspection. The records shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions are present (if observed), any corrective action taken in response to the fugitive emissions, and the date of the corrective action was taken.

[IDAPA 58.01.01.322.06, .07, 5/1/94]

- 5.5 The permittee shall at all times maintain in good working order and operate, as efficiently as practicable, the wood byproduct handling equipment listed in this permit.

[IDAPA 58.01.01.322.01, 3/19/99]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**6. EMISSIONS UNIT GROUP 5 – DEBARKING AND BARK HOG**

The sources in Emissions Unit Group 5 do not vent through stacks or have any pollution control equipment attached.

**Table 6.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Unit(s)/Process(es)	Emission Control Device
Debarking of logs	None
Bark hog	None

Table 6.2 contains a partial summary of requirements that apply generally to bins. Specific permit requirements are listed below Table 6.2.

**Table 6.2 DEBARKING AND BARK HOG APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Source ID	Parameter	Permit Limit/Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
6.1	ST1, ST2, TR1, TR3	Particulate matter	Process weight rate	IDAPA 58.01.01.701	6.3, 6.4
6.2	ST1, ST2, TR1, TR3	Particulate matter	Process weight rate	IDAPA 58.01.01.702	6.3, 6.4
6.3	ST1, ST2, ST3, TR1, TR3	Fugitive emissions	Reasonable control	IDAPA 58.01.01.651	6.4

- 6.1 The permittee shall not discharge into the atmosphere from any source operating on or after October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

- a. If PW is less than 9,250 lb/hr,

$$E = 0.045(PW)^{0.6}$$

- b. If PW is equal to or greater than 9,250 lb/hr,

$$E = 1.10(PW)^{0.25}$$

[IDAPA 58.01.01.701, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements for fugitive emissions contained in Permit Conditions 6.3 and 6.4 demonstrate compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]

- 6.2 The permittee shall not discharge into the atmosphere from any source operating prior to October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour:

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- a. If PW is less than 17,000 lb/hr,  
 $E = 0.045(PW)^{0.6}$
- b. If PW is equal to or greater than 17,000 lb/hr,  
 $E = 1.12(PW)^{0.27}$

[IDAPA 58.01.01.702, 4/5/00]

Demonstrating compliance with the operating, monitoring, and recordkeeping requirements for fugitive emissions contained in Permit Conditions 6.3 and 6.4 demonstrate compliance with the hourly process weight rate emissions limitations.

[IDAPA 58.01.01.322.01, 3/19/99]

- 6.3 To demonstrate compliance with Permit Condition 6.1, the permittee shall conduct a weekly 1-minute observation of each affected emission point, or source, using EPA Method 22 (in 40 CFR Part 60, Appendix A). If visible emissions are observed from any emission point, or source, a 6-minute observation, using EPA Method 9, shall be conducted. The visible emissions evaluation shall be performed during daylight hours under normal operating conditions. The results of each evaluation shall be recorded which shall be maintained in accordance with General Provision 30.

[IDAPA 58.01.01.322.06, 5/1/94]

- 6.4 The permittee shall conduct a monthly inspection of fugitive emissions sources, during daylight hours, under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each fugitive emission inspection. The records shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions are present (if observed), any corrective action taken in response to the fugitive emissions, and the date of the corrective action was taken.

[IDAPA 58.01.01.322.06, .07, 5/1/94]

- 6.5 The permittee shall at all times maintain in good working order and operate, as efficiently as practicable, the wood by-product handling equipment listed in this permit.

[IDAPA 58.01.01.322.01, 3/19/99]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**7. EMISSIONS UNIT GROUP 6 - INSIGNIFICANT ACTIVITIES**

Activities and emissions units identified as insignificant under IDAPA 58.01.01.317.01(b) are required to be listed in the Tier I Operating Permit to qualify for a permit shield.

**Table 7.1 INSIGNIFICANT ACTIVITIES**

<b>Emissions Unit Description</b>	<b>Insignificant Activities IDAPA Citation Section 317.01(b)(i)</b>
Sawmill	30
Sawmill screen	30
Sawmill chipper, indoors	30
Planer chipper, indoors	30
Planer chipper screen (classifier), indoors	30
Planer chip bin loadout	30
Fire water pump with diesel motor	6
Small gas-fired generators	6
Storage tanks with lids or closure < 260 gal.	1
Storage tanks < 1,100 gallons, no HAPs, maximum vapor pressure 550 mmHg.	2
VOC storage tank < 10,000 gal, with lid or closure, vapor pressure < 80 mmHg at 21 degrees Celsius; and gasoline storage tanks with lid or closure < 10,000 gallons	3
Butane, propane and LPG storage tank < 40,000 gallons	4
Combustion source < 0.5 MMBtu/hr fired with either kerosene, No. 1 and 2 fuel oil.	7
Waste paper incinerator < 0.5 MMBtu/hr	8
Welding < 1 ton per day of welding rod	9
Printing using less than 2 gallons of ink.	12
Surface coating, containing less than 1% by weight VOCs	25

- 7.1 There are no monitoring, recordkeeping, or reporting requirements for insignificant emissions units or activities beyond those required in the Facility-wide Permit Conditions.

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonniers Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**8. TIER I OPERATING PERMIT GENERAL PROVISIONS*****General Compliance***

1. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for enforcement action, for permit termination, revocation and reissuance, revision, or for denial of a permit renewal application.  
[IDAPA 58.01.01.322.15.a, 5/1/94; 40 CFR 70.6(a)(6)(I)]
2. It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the terms and conditions of this permit.  
[IDAPA 58.01.01.322.15.b, 5/1/94; 40 CFR 70.6(a)(6)(II)]
3. Any permittee who fails to submit any relevant facts or has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.  
[IDAPA 58.01.01.315.01, 5/1/94; 40 CFR 70.5(b)]

***Reopening***

4. This permit may be revised, reopened, revoked and reissued, or terminated for cause. Cause for reopening exists under any of the circumstances listed in IDAPA 58.01.01.386. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable in accordance with IDAPA 58.01.01.360 through 369.  
[IDAPA 58.01.01.322.15.c, 5/1/94; IDAPA 58.01.01.386, 3/19/99; 40 CFR 70.7(f)(1) and (2); 40 CFR 70.6(a)(6)(III)]
5. The filing of a request by the permittee for a permit revision, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.  
[IDAPA 58.01.01.322.15.d, 5/1/94; 40 CFR 70.6(a)(6)(III)]

***Property Rights***

6. This permit does not convey any property rights of any sort, or any exclusive privilege.  
[IDAPA 58.01.01.322.15.e, 5/1/94; 40 CFR 70.6(a)(6)(IV)]

***Information Requests***

7. The permittee shall furnish within a reasonable time, all information requested in writing by DEQ to determine whether cause exists for modifying, revoking and reissuing, terminating the permit, or determining compliance with the permit.  
[Idaho Code §39-108; IDAPA 58.01.01.122 (5/1/94) and 322.15.f (4/5/00); 40 CFR 70.6(a)(6)(v)]



**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

8. Upon request, the permittee shall furnish to DEQ copies of records required to be kept by this permit. For information claimed to be confidential, the permittee may furnish such records along with a claim of confidentiality in accordance with Idaho Code §9-342A and applicable implementing regulations including IDAPA 58.01.01.128.

[IDAPA 58.01.01.322.15.g, 5/1/94; IDAPA 58.01.01.128, 4/5/00; 40 CFR 70.6(a)(6)(v)]

**Severability**

9. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

[IDAPA 58.01.01.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]

**Changes Requiring Permit Revision or Notice**

10. The permittee may not commence construction or modification of any stationary source, facility, major facility, or major modification without first obtaining all necessary permits to construct or an approval under IDAPA 58.01.01.213, or complying with IDAPA 58.01.01.220 through 223. The permittee shall comply with IDAPA 58.01.01.380 through 386 as applicable.

[IDAPA 58.01.01.200-223, 4/5/00; IDAPA 58.01.01.322.15.i, 380-386, 3/19/99; 40 CFR 70.4(b)(12), (14) and (15), and 70.7(d) and (e)]

11. Changes that are not addressed or prohibited by the Tier I operating permit require a Tier I operating permit revision if such changes are subject to any requirement under title IV of the CAA, 42 U.S.C. Section 7651 through 7651c, or are modifications under title I of the CAA, 42 USC Section 7401 through 7515. Administrative amendments (IDAPA 58.01.01.381), minor permit modifications (IDAPA 58.01.01.383), and significant permit modifications (IDAPA 58.01.01.382) require a revision to the Tier I operating permit. Section 502(b)(10) charges are authorized in accordance with IDAPA 58.01.01.384. Off-permit changes and required notice are authorized in accordance with IDAPA 58.01.01.385.

[IDAPA 58.01.01.381-385, 3/19/99; IDAPA 58.01.01.209.05, 5/1/94; 40 CFR 70.4(b)(14) and (15)]

**Federal and State Enforceability**

12. Unless specifically identified as a state-only provision, all terms and conditions in this permit, including any terms and conditions designed to limit a source's potential to emit, are enforceable: (i) By DEQ in accordance with state law; and (ii) By the United States or any other person in accordance with federal law.

[IDAPA 58.01.01.322.15.j, 5/1/94; 40 CFR 70.6(b)(1) and (2)]

13. Provisions specifically identified as a state-only provision are enforceable only in accordance with state law. State-only provisions are those that are not required under the federal Clean Air Act, or under any of its applicable requirements or those provisions adopted by the state prior to federal approval.

[Idaho Code §39-108; IDAPA 58.01.01.322.15.k, 3/23/98]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**Inspection and Entry**

14. Upon presentation of credentials, the permittee shall allow DEQ, or an authorized representative of DEQ, to do the following:
- Enter upon the permittee's premises where a Tier I source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
  - Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
  - Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - As authorized by the Idaho Environmental Protection and Health Act, sample or monitor at reasonable times substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108; IDAPA 58.01.01.322.15.i, 3/19/99; 40 CFR 70.6(c)(2)]

**New Requirements During Permit Term**

15. The permittee shall comply with applicable requirements that become effective during the permit term on a timely basis.

[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.10.a.ii, 5/1/94;  
40 CFR 70.6(c)(3) citing 70.5(c)(8)]

**Fees**

16. The owner or operator of a Tier I source shall pay annual registration fees to DEQ in accordance with IDAPA 58.01.01.525 through IDAPA 58.01.01.538.

[IDAPA 58.01.01.322.15.n, 5/1/94; 40 CFR 70.6(a)(7)]

**Certification**

17. All documents submitted to DEQ shall be certified in accordance with IDAPA 58.01.01.123 and comply with IDAPA 58.01.01.124.

[IDAPA 58.01.01.322.15.o, 5/1/94; 40 CFR 70.6(a)(3)(III)(A); 40 CFR 70.5(d)]

**Renewal**

18. a. The owner or operator of a Tier I source shall submit an application to DEQ for a renewal of this permit at least six months before but no earlier than 18 months before, the expiration date of this operating permit. To ensure that the term of the operating permit does not expire before the permit is renewed, the owner or operator is encouraged to submit a renewal application nine months prior to the date of expiration.

[IDAPA 58.01.01.313.03, 4/5/00; 40 CFR 70.5(a)(1)(III)]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- b. If a timely and complete application for a Tier I operating permit renewal is submitted, but DEQ fails to issue or deny the renewal permit before the end of the term of this permit, then all the terms and conditions of this permit including any permit shield that may have been granted pursuant to IDAPA 58.01.01.325 shall remain in effect until the renewal permit has been issued or denied.

[IDAPA 58.01.01.322.15.p, 5/1/94; 40 CFR 70.7(b)]

**Permit Shield**

19. Compliance with the terms and conditions of the Tier I operating permit, including those applicable to all alternative operating scenarios and trading scenarios, shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
- a. Such applicable requirements are included and are specifically identified in the Tier I operating permit; or
  - i. DEQ has determined that other requirements specifically identified are not applicable and all of the criteria set forth in IDAPA 58.01.01.325.01(b) have been met.
  - b. The permit shield shall apply to permit revisions made in accordance with IDAPA 58.01.01.381.04 (administrative amendments incorporating the terms of a permit to construct), IDAPA 58.01.01.382.04 (significant modifications), and IDAPA 58.01.01.384.03 (trading under an emissions cap).
  - c. Nothing in this permit shall alter or affect the following:
    - i. Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers;
    - ii. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
    - iii. The applicable requirements of the acid rain program, consistent with 42 U.S.C. Section 7651(g)(a); and
    - iv. The ability of EPA to obtain information from a source pursuant to Section 114 of the CAA; or the ability of DEQ to obtain information from a source pursuant to Idaho Code §39-108 and IDAPA 58.01.01.122.

[Idaho Code 39-108 and 112; IDAPA 58.01.01.122, 322.15.m, 325, 5/1/94;  
IDAPA 58.01.01.381.04, 382.04, 383.05, 384.03, 385.03, 3/19/99; 40 CFR 70.6(f)]

**Compliance Schedule and Progress Reports**

- 20.
- a. For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
  - b. For each applicable requirement that will become effective during the term of this permit and that provides a detailed compliance schedule, the permittee shall comply with such requirements in accordance with the detailed schedule.
  - c. For each applicable requirement that will become effective during the term of this permit that does not contain a more detailed schedule, the permittee shall meet such requirements on a timely basis.

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- d. For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.  
[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.9 and 10, 5/1/94; 40 CFR 70.6(c)(3) and (4)]

***Periodic Compliance Certification***

21. a. The permittee shall submit compliance certifications during the term of the permit for each emissions unit to DEQ and the EPA as follows:
- b. Unless specified elsewhere in this permit compliance certifications for all emissions units shall be submitted annually beginning 12 months from the permit issuance date, or more frequently if specified by the underlying applicable requirement.
- c. The compliance certification for each emissions unit shall address all of the terms and conditions contained in the Tier I operating permit that are applicable to such emissions unit including emissions limitations, standards, and work practices;
- d. The compliance certification shall be in an itemized form providing the following information (provided that the identification of applicable information may cross-reference the permit or previous reports as applicable):
- The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
  - The identification of the method(s), or other means, used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required by this Tier I operating permit. If necessary, the owner or operator shall identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the CAA which prohibits knowingly making a false certification or omitting material information;
  - The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in paragraph 21.c.ii above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify, as possible exceptions to compliance, any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;
  - Such other facts as DEQ may require to determine the compliance status of the source.
- e. All original compliance certifications shall be submitted to DEQ and a copy of all compliance certifications shall be submitted to the EPA.

[IDAPA 58.01.01.322.11, 5/1/94; 40 CFR 70.6(c)(5)(iii) as amended,  
62 Fed. Reg. 54900, 54946 (10/22/97); 40 CFR 70.6(c)(5)(iv)]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

***False Statements***

22. No person shall knowingly make any false statement representation or certification in any form, notice or report required under this permit, or any applicable rule or order in force pursuant thereto.  
[IDAPA 58.01.01.125, 3/23/98]

***No Tampering***

23. No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.  
[IDAPA 58.01.01.126, 3/23/98]

***Annual and Semiannual Monitoring Reports***

24. In addition to all applicable reporting requirements identified in this permit, the permittee shall submit reports of any required monitoring no later than the last day of February for annual reporting, and no later than the last day of February and the last day of August for semiannual reporting. All instances of deviations from this operating permit's requirements must be clearly identified in the report. All required reports must be certified in accordance with IDAPA 58.01.01.123.  
[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.322.08.c, 4/5/00; 40 CFR 70.6(a)(3)(III)]

***Reporting Deviations and Excess Emissions***

25. The permittee shall promptly report all deviations from permit requirements including upset conditions, their probable cause, and any corrective actions or preventive measures taken. For excess emissions, the report shall be made in accordance with IDAPA 58.01.01.130-136. For all other deviations, the report shall be made in accordance with IDAPA 58.01.01.322.08.c, unless otherwise specified in this permit.  
[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.135, 4/5/00; 40 CFR 70.6(a)(3)(III)]

***Permit Revision Not Required***

26. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit.  
[IDAPA 58.01.01.322.05.b, 4/5/00; 40 CFR 70.6(a)(8)]

***Emergency***

27. In accordance with IDAPA 58.01.01.332, an "Emergency" as defined in IDAPA 58.01.01.008, constitutes an affirmative defense to an action brought for noncompliance with such technology-based emissions limitation if the conditions of IDAPA 58.01.01.332.02 are met.  
[IDAPA 58.01.01.332.01, 3/19/99; 40 CFR 70.6(g)]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

**Odors**

28. No person shall allow, suffer, cause or permit the emission of odorous gases, liquids or solids to the atmosphere in such quantities as to cause air pollution.  
[IDAPA 58.01.01.775-776, 5/1/94]
29. Unless specified elsewhere in this permit, the permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall, at a minimum, include the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.  
[IDAPA 58.01.01.322.06, 07(state-only), 5/1/94]

**Monitoring and Recordkeeping**

30. The permittee shall maintain sufficient record keeping to assure compliance with all of the terms and conditions of this operating permit. Recording of monitoring information shall include, but not be limited to: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available, in either hard copy or electronic format, to DEQ representatives upon request  
[IDAPA 58.01.01.322.07, 5/1/94]

**Open Burning**

31. The facility shall comply with the requirements of IDAPA 58.01.01.600-616, Rules for Control of Open Burning.  
[IDAPA 58.01.01.600-616, 5/1/94]

**Renovation and Demolition**

32. The permittee shall comply with all applicable portions of 40 CFR 61, Subpart M when conducting any renovation or demolition activities at the facility.  
[40 CFR 61, Subpart M]

**Risk Management**

33. An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR §68.115, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR 68 no later than the latest of the following dates:
- 33.1 Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR §68.130.

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-050100**

<b>Permittee:</b>	Kootenai River Lumber Co., LLC dba Riley Creek	<b>Facility ID No.:</b> 021-00002	<b>Date Issued:</b>	April 14, 2005
<b>Location:</b>	Bonnars Ferry, Idaho		<b>Date Expires:</b>	August 30, 2006

- 33.2 The date on which a regulated substance is first present above a threshold quantity in a process.  
[40 CFR 68.10 (a)]

***Fuel Sulfur Requirements***

34. No person shall sell, distribute, use or make available for use, any distillate fuel oil containing more than the following percentages of sulfur:
- 34.1 ASTM Grade 1 fuel oil - 0.3% by weight.
- 34.2 ASTM Grade 2 fuel oil - 0.5% by weight.

[IDAPA 58.01.01.728, 5/1/94]

***Refrigerants***

35. The permittee shall comply with applicable standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

[40 CFR 82, Subpart F]